



## Earthquake Safety and Emergency Response Bond Program (ESER 1)

- Public Safety Building
- Neighborhood Fire Stations & Support Facilities
- Auxiliary Water Supply System (AWSS)

## Citizens General Obligation Bond Oversight Committee

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## **EXECUTIVE SUMMARY**

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The Earthquake Safety and Emergency Response (ESER1) Bond Program consists of three components: the **Public Safety Building (PSB)**, the **Neighborhood Fire Stations & Support Facilities (NFS)**, and the **Auxiliary Water Supply System (AWSS)**. These components' particular projects are proceeding apace, hewing to stipulated schedules and budgets. Some projects confront unanticipated impacts such as delayed DBI permitting and Civic Design Review approval. The impacts are managed to avoid as much as possible, undue consequence to client department(s)' expressed needs and expectations. To date there have been no upsets that would compromise the successful delivery of any project.

The following is a brief summary of each component's status.

### **Public Safety Building**

Structural steel erection was completed in May 2013, followed by fireproofing application and installation of mechanical, electrical, plumbing, and fire sprinkler (MEPFS) systems. Architectural concrete wall form and placement began at the West (3<sup>rd</sup> Street) façade, and construction of concrete masonry unit (CMU) walls began in June, starting on Level 1 at the Holding Cell area.

Project Cost, inclusive of all change orders to date, is tracking well within the Total Project Budget of \$239M. Over 90% (in cost) of the approximately 50 trade packages have been bought-out, with a remainder of six trade bid packages to be bought out by August 2013.

The project schedule has not changed since the last CGOBOC Report in March, with a target substantial completion in June 2014.

### **Neighborhood Fire Stations & Support Facilities**

#### **Seismic Projects: Fire Station #16, Fire Station #5, and Fire Boat Station #35**

Station #16: Design development phase was completed as scheduled on April 19, 2013. The subsequent cost estimate is 7% over budget, with additional design elements to be incorporated in response to community input and stormwater control requirements. These will be identified and priced in July for SFFD consideration prior to proceeding into construction documents phase. Neighborhood outreach continued with the May 16, 2013 meeting hosted by Supervisor Mark Farrell. The project team achieved community acceptance of the design as modified based upon input at the March 29, 2013 meeting.

Station #5: Concept phase resumed as scheduled on January 28. SFFD approved concept floor plans on February 25; concept façade development was placed on hold pending the outcome of Station 16 community outreach. The schedule contains sufficient float to easily accommodate this hold. Community outreach on this project will follow additional development of façade design scheduled to begin in September 2013.

Station #35: The Warriors development team continued various public presentations of their proposed project at Piers 30/32, which includes a new Fire Boat Station #35 at the site. SFFD direction is to assess the probability of the Warriors development EIR (date TBD) before deciding whether to continue development of the Pier 22-1/2 site as a viable backup option if needed.

Comprehensive Projects: Station #36

The 100% CD deliverable was delivered as scheduled on April 3. Public bid process proceeded thereafter. Three bids were received for Station 36 on May 20, 2013 and all were over budget. The scope was adjusted in June and the project will be rebid together with Station 44 in July 2013.

**Focused Scope Projects**

**Roof Replacements:**

Package #3 (3 stations) achieved substantial completion on February, 2013. Contractor submitted all required closeout documents except for the As-Built drawings. Final Completion will not be issued until Western Roofing's corrective action plan for local hiring deficiencies is approved by City Build. Western Roofing was given direction to complete this task by end of July.

Package #4 (4 stations) achieved final completion in April 2013; JOC contractor began work at Station #2 roof replacement work as scheduled on January 7, 2013. The roofing system was completed on March 8, 2013, as scheduled. The Contractor has filed a request an extension for substantial completion to complete mechanical scope items by April 18, 2013. Due to non conforming work, the Contractor was asked to remove and replace some mechanical roof top units. The City sent a letter notifying the JOC Contractor of the non conforming work, and that the City may assess liquidated damages if work is not corrected per contract documents. The Contractor removed the Air Handling unit in question and is painting it in one of Trane facilities to receive the proper coating.

On Package 5 (FS 10 and 13 roofs), work continues to progress well, although substantial completion of July 15th will not be achieved as scheduled due to unforeseen conditions. The contractor time extension request is pending.

**Shower Reconstruction:**

DPW/ BBR started work on FS #6 showers - (4) stalls - in May. Due to multiple issues encountered in the field (e.g. walls out of plumb), contract time was extended to July 10. The work on the (4) stalls has been completed as per revised schedule; in the meantime, BBR secured approval to start with the remaining (2) stalls at Station 6. PM is to bid out the remaining balance of shower materials next month, and obtain a proposal from BBR for the installation.

**Mechanical Scope:**

This work was performed in two phases, phase 1 – Investigation, and phase 2 – Execution. The work will be complete at Stations 6 and 42 by mid-July; the contractor is scheduled to start on FS 38 thereafter.

**Exterior Envelope:**

At Station 6, DPW BBR installed the third paint mock up as requested with an alternate primer. The Tnemec representative requested a pull test in order to approve the entire paint assembly, unfortunately, this test failed at the mock up location. The test will be re-run at an area with sound substrate. Package 4 (Stations 15, 32 and 40) - work began on June 24th at Station 40; and will move to 32 after completion of 40. Contractor will not start work on the third station (Station 15) until MTA completes installation of new windows. DPW BDC team completed design of Package 5 (Stations 10, 13, 17 and 26) and SFFD, PM and CM have reviewed the drawings. A QA/ QC review session was performed and is under review by contract prep. staff. BDC design team continues working on Package 6 (Stations 2, 18 and 31.) Both packages are scheduled to go out to bid sequentially in August.

**Emergency Generator Replacement:**

Station 6 generator work is ahead of schedule and was substantially complete on June 4th. The contractor replaced the faulty module that was preventing the proper function of the generator.

BBR provided fee proposal to perform work on Emergency Generator and service upgrade of FS #17 in May; EG unit was bid and awarded to Generac. SFFD has requested that GHD to perform a peer review on BDC design. Construction is on hold until the peer review is complete. Upon completion, SFFD direction is to compare the two delivery methods (design-bid-build at Station #6 and design-build using DPW in-house forces at Station #17) to determine preferred method for the remaining stations.

On FS 15, BBR started preconstruction phase in late May and started construction in late June. On FS 12 and 21, PM requested design fee proposals from both DPW/IDC Team and DPW's as-needed-consultant GHC for these remaining stations.

**Auxiliary Water Supply System**

Consultant AECOM/AGS JV continued work on Planning Support Services for the Auxiliary Water Supply System (AWSS). The final project report is due by September 2013.

Design work continued for Pumping Stations 1 and 2. Bids for the combined Ashbury Tank, Jones Street Tank, and Twin Peaks Reservoir contract are due in July 2013.

Design work continued for new cisterns. The construction contract for New Cisterns Contract A was awarded to Trinet Construction for \$3,868,900, with notice-to-proceed issuance scheduled for July 2013.

Planning and design work for pipeline and tunnel projects is being organized.

**Budget**

The ESER has expended \$110,658,294 through June 2013. Out of the \$110,658,294, \$86,142,548 is for the Public Safety Building; \$12,186,708 is for the NFS; \$11,162,306 is for AWSS; and \$1,166,732 is for Bond Issuance Costs. The expenditures are consistent with our spend-down forecast and are within budget.

The proceeds of the four bond sale totaling \$31,020,000 were received in June for a total appropriation of \$332,135,000. The breakdown of the proceeds received is discussed in the Budget, Funding Expenditures section of this report.

**Other Information**

For more information, visit the ESER web site at [www.sfearthquakesafety.org](http://www.sfearthquakesafety.org).

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## PROGRAM SUMMARY AND STATUS

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### Public Safety Building



Exterior View of building from 3<sup>rd</sup> Street



North Elevation of building



Architectural Concrete at 3<sup>rd</sup> and Mission Rock St.



Completed Floor Slab on 5<sup>th</sup> Floor at West Tower



Opening at Street Level  
Architectural Concrete  
Wall



Framing at mechanical  
penthouse on roof deck



2<sup>nd</sup> Floor at Fire Station 30

**Location:** Block 8 in the Mission Bay South Redevelopment Area. The block is bounded by Mission Rock, Third, and China Basin Streets.

**Project Description:** The Public Safety Building (PSB) is meant to provide a new venue for the SFPD Headquarters – effectively the command and control administration of the City’s police department-including the relocation of Southern District Station and a new Mission Bay Fire Station. Included in the project is the reuse of Fire Station #30, which will serve as a multi-purpose facility for the Fire Department and the community. Historic resource consultants have determined that the existing fire station is eligible for the National Register of Historic Places. Consistent with the Mission Bay SEIR Addendum No. 7, Mitigation Measures, Item D.02, this facility will be retained and reused in a manner that preserves its historic integrity. The other components of the project will be designed to be respectful of the historic integrity of the existing fire station.

Both the Police Headquarters and the Southern District Police station are located at 850 Bryant also known as the Hall of Justice. This facility is over 50 years old and does not meet current seismic codes and requirements. In the event of a major earthquake, this building is not expected to be operational. The PSB will provide a new venue for these two police elements that are a part of a larger strategy to replace the Hall of Justice, established in the City’s Capital Plan as the *Justice Facilities Improvement Program* (JFIP).

**Project Background:** The functionality of the entire police department in the event of a major catastrophe relies on the ability of the police leadership within police command center headquarters to promptly and properly coordinate public safety services in the city. The district station plays an equally critical role in providing responsive public safety to residents of San Francisco in a timely manner. This station includes those working the front line that are the first to arrive at a crime scene, maintain the peace during difficult situations, assist in the investigation of criminal activity; provide support to other first responders including the Fire Department, the Medical Examiner and Crime Scene Investigation (CSI).

**Project Status:**

DBI continues to review, in parallel, permit addenda – MEP, Architectural, Fuel Tank, Curtainwall, Fire protection, and the separate Fire Station 30 building permit. Fire Station 30 permit plan check have been completed and expected to be issued in April. A remainder of three permit addenda will be submitted by the Contractor by June 2013.

**Construction Activities:**

- Installation of mechanical, electrical, plumbing, and fire sprinkler systems continued through this reporting period, starting at the West Tower and Fire Station 4.
- Construction work began at Fire Station 30 includes demo and excavation, installation of under-slab plumbing, and roof-rafter framing.
- Construction of CMU walls began in June, starting on Level 1 near the Holding Cell area.
- Monorail support brackets for window washing system installed at West Tower on Roof Level.



- Architectural Concrete wall form and placement began at the West (3<sup>rd</sup> Street) façade.
- Completed Shotcrete tank wall forming, reinforcing, and placement at Basement Level.
- Installation of Elevator shaft Machine beams for Elevators 1 – 4, followed by machine installation.

**Project Schedule:**

Substantial Completion = June 21, 2014 (no change from last report)

Final Completion = August 21, 2014 (no change from last report)

Target Move-In = November 2014 (no change from last report)

The Trade package procurement process - pre-qualification, RFQ advertisement and application scoring, RFP issuance, pre-bid meetings, and bid openings – occurred for various scopes-of-work during this reporting period:

- Finished Carpentry RFP issued on 6/7, followed by a pre-bid meeting on 6/12. Bids will be due on 7/18.
- Architectural Louver and Metal Panel (Re-bid) on 6/17 received two bids – lowest at \$1.48M against a budget of \$900k (original Bid was at \$1.88M).
- Flooring Package received 3 bids on 6/17 (ranging from \$639k to \$735k, against a budget of \$1.05M).
- Landscape / Sitework RFQ evaluation completed on 5/9, resulting in 4 qualified bidders who will be submitting bids in early June.
- Utility Cabinet Relocation bids received at \$725k and \$605k from two bidders on 5/16, against a budget of \$100k. This scope of work will be reconsidered and scoped.
- Ceramic Tiles bid opening on 5/31 received 2 bids (4 bidders were qualified), ranging from \$967k and \$1.1M, against a budget of \$1.2M.
- Architectural Louver and Metal Panel ReBid Pre-Bid meeting on 5/30 with 3 qualified bidders in attendance. Target bid due date on 6/12.
- Interior Glazing Bid Opening on 4/23/13 received two bids (\$2.6M and \$4.1M), tracking against a budget of \$2.4M.
- Specialties and Equipment Bid Opening on 4/11/13 received three bids (ranging from \$3.87M o \$4.54M) tracking against a budget of \$2.8M.

**Project Budget:** Project Cost, inclusive of all change orders to date, is tracking well within the Total Project Budget of \$239M. Refer to the Budget, Funding and Expenditures on Page 22.

# Neighborhood Fire Stations & Support Facilities



Fire Station No. 26 Roof Replacement



Fire Station No. 15 Roof Replacement



Fire Station No. 6 Emergency  
Generator Replacement



Fire Station No. 40 Roof Replacement



Fire Station 49 Paint

**Project Description:** The ESER bond will renovate or replace selected fire stations to provide improved safety and a healthy work environment for the firefighters. The selected stations are determined according to their importance for achieving the most effective delivery of fire suppression and emergency medical services possible.

**Project Background:** Many of the 42 San Francisco Fire Stations have structural, seismic, and other deficiencies. Some may not be operational after a large earthquake or disaster; threatening the ability of the firefighters to respond to an emergency. In addition, there are other fire department resources that support and augment the capacity of the department to provide effective fire suppression capability.

Prior to approval of the bond program, the majority of the City's fire stations and support facilities were assessed for their respective condition and to identify vulnerabilities or deficiencies that could compromise their essential role as deployment venues for first responders.

For planning purposes, the assessment reports were reviewed by cost estimators who prepared estimates of the cost of correcting the conditions noted in the assessments. The cost estimates indicate only the overall "order of magnitude" of the various facility deficiencies and relative proportions of various types of work.

Preliminary assessment of the neighborhood fire stations indicate that the sum of all existing deficiencies would require a budget exceeding \$350 million to correct, significantly more funds than are available for such purposes in this bond. Therefore, additional detailed planning is required to focus the expenditures of this bond towards the most beneficial and cost effective immediate rehabilitation and/or improvement projects.

A list of projects to be completed by the ESER bond was identified by DPW and the Fire Administration, and accepted by the Fire Commission at their meeting of September 23, 2010.

The ESER 1 bond program is anticipated to complete improvements to 16 of the 42 neighborhood fire stations, as well as the Fire Boat Station and the Equipment Logistics Center, which will consolidate the Bureau of Equipment (currently at 2501 25<sup>th</sup> Street) with the Emergency Medical Services and Arson Task Force at 1415 Evans. Direction was also provided for the preferred development of the Fire Boat Station and analysis of the feasibility for an Emergency Logistics Center (ELC). The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

**Project Status:**

SFFD evaluated project scope and program budget options prepared by DPW and approved on February 29, 2012 a final slate of Groups I, II and III projects to be completed as part of ESER I. Direction was also provided for the preferred development of the Fire Boat Station and analysis of the Emergency Logistics Center (ELC.) The approved slate of projects was presented to the SF Fire Commission on April 26, 2012. Developments of baseline schedule and baseline budgets for these projects are nearly complete for SFFD approval. Progress on the slate of projects was presented to the Fire Commission on October 25, 2012.

**Seismic Projects: Stations #16 and #5**

Design services are being provided by DPW BDC/IDC. Conceptual design began on Fire Stations #5 and #16 replacement projects on April 16, 2012. SFFD review proceeded as scheduled on June 1 (Station #16) and June 6 (Station #5), 2012. SFFD requested alternate options at Station #16 and at Station #5. DPW BDC/IDC completed these alternates as requested.

**Station #16:**

Conceptual design of Fire Station #16 prepared by DPW BDC/IDC was approved by the Fire Chief on September 10, 2012. Schematic Design phase proceeded on schedule October 9, 2012. The geotechnical report prepared by DPW IDC was received on October 25, 2012. The 50% SD submittal was received as scheduled on November 15, 2012 and the 100% SD submittal was received as scheduled on December 28, 2012. The cost estimate was completed as scheduled on January 16, 2013. The project is within budget. Design Development phase is underway and the 50% deliverable was completed as scheduled on February 21, 2013. The cost estimate was submitted as scheduled on March 8, 2013. The 100% DD set was submitted as scheduled on April 19, 2013. The cost estimate was completed as scheduled on May 6, 2013 and the project is over budget by 5%. Additional scope items include exterior screening elements agreed upon in meetings with the community; additional stormwater reduction items to target SWP goals; and adjustments to the Structural underpinning design. The team will evaluate and align scope and budget by the scheduled start of Construction Documents phase on July 22, 2013.

Approval for Civic Design Review Phase I was sought at the November 19, 2012 meeting, but was not received. Committee members requested that the design team explore a contemporary design option. CDR granted Phase I approval on January 14, 2012. Staff provided a project briefing to leaders of Marina / Cow Hollow neighborhood and commerce groups at a March 29, 2013 meeting hosted by District 2 Supervisor Mark Farrell. Additional neighborhood outreach occurred on May 3, 2013 with immediate neighbors to the station, and on May 16, 2013 with the community and merchants groups again hosted by Supervisor Farrell. The last meeting on June 12, 2013 resulted in agreement on façade design which both the designers and the community could support. These efforts have been instrumental to achieve best consensus possible and move forward without delay. Civic Design Review Phase II approval will be sought at the August 19, 2013 meeting.

**Station #5:**

SFFD requested alternate design elements for Conceptual design of Fire Station #5 to accommodate a second truck if necessary. Concepts were presented to the Fire Chief on September 10, 2012. The SFFD approved the two-story, two-truck development option on November 15, 2012. The Project Review Application was submitted to City Planning as scheduled on December 6, 2012. Design team was mobilized to complete the concept phase on January 28, 2013, focusing on completing the proposed floor plans and drafting the elevations. SFFD approved concept floor plans on February 25, 2013; concept façade development was placed on hold pending resolution of Station 16 façade design. Façade development at Station 5 will resume in September. Outreach to elected officials and the community will follow prior to target start date for Schematic Design phase in January 2014.

**Fire Boat Station #35:**

Design services are being provided by DPW BDC/IDC.

The slab replacement work is substantially complete; final testing and close out was not completed as scheduled in March 2013. The contractor is DPW's JOC contractor, AzulWorks. In order to close this project permit, the Port is requiring modifications to the existing gas line installed under a previous project permit which remains open. Our slab replacement project anticipated completing this work in December but could not due to the rain. This work proceeded in January and February 2013. Contractor had to repeat gas line tests until they passed in May 2013. The Port has required a separate permit be filed for the gas line work, which the project team is filing by mid-June. Port permit review and final inspection will follow in July 2013. Staff is working diligently to collect close out documents to achieve final completion by end of July 2013.

A community Open House was held as scheduled on October 3, 2012 for the new project at the existing location. The Project Review Application for the Fire Boat Station #35 replacement projects was submitted to City Planning as scheduled on June 15, 2012. City Planning's response to the Project Review Application for Station #35 was received as scheduled on October 24, 2012. Of the three options included in the application, Planning preferred Option 1-A, and provided comments for implementation in the following design phase. No further activity for continued development of the project at this site has occurred due to the prospective re-location to the Warriors' Arena project at Piers 30/32. The Warriors presented their proposed development project at Piers 30/32 to the Port Commission on November 13, 2012. The Warriors' development team has asked that the City and SFFD consider relocating the Fire Boat Station to Piers 30/32, and the request has been accepted tentatively pending the resolution of all relevant matters, including the inclusion of Pier 22 1/2 (existing location) in the 30/32 master EIR, as an alternative, and expectations for design and funding. SFFD direction to the DPW has been to await publication of the Warriors development EIR (assumed to be issued in June 2013) before deciding upon any next steps to retain the Pier 22-1/2 site as a viable backup option.

**Equipment Logistics Center (ELC):**

The ELC project was identified after the passage of the bond – it was suggested as a project combining the Bureau of Equipment and Emergency Medical Services. In this configuration, the sum total of functional program area makes it infeasible for it to occur at 1415 Evans; more significantly, the budget for such a project is not available within the ESER1 NFS funding.

In lieu of this project, the SFFD requested that a smaller facility, dedicated to the storage of essential material, be considered at the lot behind Station #9. The conceptual program and cost estimate was completed in February 2012, and is pending a decision as to whether to dedicate bond funds to accomplish this project.

**Comprehensive Project: Station #36**

Design services are being provided by Paulett Taggart Architects through DPW-BDC's as-needed consultant contracting program.

Schematic Design phase on Fire Station #36 comprehensive renovation was completed on schedule on July 16, 2012. SFFD reviewed and accepted the documents, providing minor

comments. Cost estimation has been completed and the project is currently within budget. The 50% Design Development deliverable for Fire Station #36 comprehensive renovation was received on September 28, 2012. Project was presented to Civic Design Review Committee for combined Phase I/II approval on September 17, 2012 as scheduled. The Committee lost quorum before our presentation; the item was heard and no major comments were received from the 2 out of 3 members who heard the presentation. Approval was received as scheduled for the October 15, 2012 meeting.

100% Design Development deliverable was received as scheduled on November 30, 2012, with cost estimate received as scheduled on December 14, 2012. The project is within budget. The 50% Construction Documents design deliverable was submitted as scheduled on February 15, 2013. The 50% cost estimate was delivered on schedule on March 4, and the project continues within budget. The 100% CD deliverable was submitted as scheduled on April 3, 2013. Civic Design Review Phase III approval was received as scheduled on April 15, 2013.

The design is proceeding on track to meet LEED Gold for Commercial Interiors standards as approved by the Green Building Coordinator, San Francisco Department of the Environment. Procurement for outside consulting services for required LEED design review and commissioning is underway and work began as scheduled in March 2013 and will continue through the construction phase. The project was bid as scheduled. Three bids were received on May 20; all three bids exceeded the budget. The lowest two of three bids were within less than 1% of each other, indicating that the bid documents clearly conveyed the scope. The construction bid climate continues to heat up, and fewer bids were received than anticipated. To help mitigate these factors when the project is rebid in July, the project team will: 1) revise certain scope items to bring the overall cost down; 2) increase marketing and outreach efforts to local contractors. In addition, fewer projects are bidding in July, increasing the probability of General Contractor interest in the Station 36 project. Increasing the number of bidders and hence competition should improve bid results.

### **Focused Scope Projects**

Design services are being provided by DPW BDC/IDC.

#### **Roof Replacement:**

Package #3 (3 stations) achieved substantial completion on February, 2013. Contractor submitted all required closeout documents except for the As-Built drawings. Final Completion will not be issued until Western Roofing's corrective action plan for local hiring deficiencies is approved by City Build. Western Roofing was given direction to complete this task by end of July.

Package #4 (4 stations) achieved final completion in April 2013; JOC contractor began work at Station #2 roof replacement work as scheduled on January 7, 2013. The roofing system was completed on March 8, 2013, as scheduled. The Contractor has filed a request an extension for substantial completion to complete mechanical scope items by April 18, 2013. Due to non conforming work, the Contractor was asked to remove and replace some mechanical roof top units. The City sent a letter notifying the JOC Contractor of the non conforming work, and that the City may assess liquidated damages if work is not corrected per contract documents. The Contractor removed the Air Handling unit in question and is painting it in one of Trane facilities to receive the proper coating.

On Package 5 (FS 10 and 13 roofs), work continues to progress well, although substantial completion of July 15th will not be achieved as scheduled due to unforeseen conditions. The contractor time extension request is pending.

**Shower Reconstruction:**

Shower reconstruction package 1 for Stations 15, 6, and 38 is underway. Construction began as scheduled at Station 15 on April 18, 2012. Contractor changed certain installation details without prior approval, and corrective work will necessitate additional fabricated materials. In mid September 2012 as scheduled, the manufacturer arrived at the site from out of state to resolve final details with the architect of record and the Fire Department. Material order for these corrective details was placed, and the work proceeded in the field from March 25 – 29, 2013. Station 15 must be successfully completed as a prototype mock-up project prior to commencing work at Station 6 and subsequently Station 38, both to be executed by DPW BBR. Material procurement is underway for Station 6 showers, with delivery anticipated in late May; installation will follow in June. DPW/BBR completed (4) of the (6) stalls and is scheduled to complete the entire installation by end of July 2013. SFFD approval will then be sought to proceed with the balance of shower work via this delivery method.

**Exterior Envelope:**

Building exterior envelope packages for 15 Fire Stations will be bid in 6 packages. Packages 1 (Fire Station #38) and 2 (Fire Station #42) each for one fire station were bid to Micro LBE contractors as set-aside contracts. Despite diligent outreach to Micro LBE contractors, only 1 bid was received on September 26, 2012 and it far exceeded the budget. SFFD has approved DPW BBR pricing of the work at these two stations for in-house execution. NTP was issued as scheduled on November 21, 2012 for Station #38. The preconstruction phase is complete and site work began as scheduled at Station #38 in January 2013. The work was completed on March 18. SFFD has approved Package 3 for two fire stations (Stations #28 and #41) pricing by DPW - BBR for in-house execution. In addition, at SFFD direction Station #49 exterior paint was added to the project list, and approved DPW-BBR pricing of this work for in-house execution as well. NTP was issued as scheduled on Station 49 and the work is scheduled to proceed from March 25 – May 3. The work at station 49 was completed as scheduled.

Packages 4, 5, and 6 for 3 stations, 3 stations, and 4 stations respectively will be bid to B license contractors. The paint bid packages will follow completion of the roof bid packages. Package 4 (Stations #15, 32 and 40) was advertised in early December bids were received as scheduled on January 9, 2013. Despite diligent outreach to the bidding community and interest exhibited at the Pre Bid Conference, only 1 bid was received. This bid is within budget and the project was awarded to OnPoint Construction. NTP was issued as anticipated in May 2013 and OnPoint Construction work began on June 24th at Station 40; and will move to 32 immediately after completion of 40. Contractor will not start work on the third station (Station 15) of the three stations in this package until MTA completes installation of new windows. At Station 6, DPW BBR installed the third paint mock up as requested with an alternate primer. The Tnemec representative requested a pull test in order to approve the entire paint assembly, unfortunately, this test failed at the mock up location. The test will be re-run at an area with sound substrate. Package 4 (Stations 15, 32 and 40) - work began on June 24th at Station 40; and will move to 32 after completion of

40. Contractor will not start work on the third station (Station 15) until MTA completes installation of new windows. DPW BDC team completed design of Package 5 (Stations 10, 13, 17 and 26) and SFFD, PM and CM have reviewed the drawings. A QA/ QC review session was preformed and is under review by contract prep. staff. BDC design team continues working on Package 6 (Stations 2, 18 and 31.) Both packages are scheduled to go out to bid sequentially in August.

**Emergency Generator Replacement:**

Emergency generator implementation strategy was completed in September 2012 and design is moving forward with DPW's as-needed electrical engineer at Station 6 as a prototype for design-bid-build project delivery. The 100% design was received as scheduled on November 26, 2012 and the project was bid as scheduled on December 7, 2012, targeted to Micro LBE bidders. Two (2) bids were received on January 9, 2013 and the project was awarded to AAA Co. NTP was issued on emergency generator Station #6 project to AAA Co. on March 25. Pending submission of the contractor's schedule, work is anticipated to be complete in June. FS 6 emergency generator work is ahead of schedule and achieved substantial completion on June 4th, 2013.

DPW IDC began design work on November 2, 2012 at Station 17 as a DPW in-house IDC design-BBR build prototype. The 50% design set was submitted as scheduled on December 5, 2012. Design evaluation of the three options continued in January 2013 with PG&E's involvement, and a final option was approved by SFFD. DPW IDC completed design documents on February 6, 2013 and SFFD approved DPW BBR to price the approved scope on February 25, 2013. Pricing proceeded in March 2013 and BBR provided a proposal in May; EG unit was bid and awarded to Generac. SFFD requested that GHD (the as-needed consultant) to perform a peer review on IDC design. Construction is on hold until the peer review is complete. Upon completion, SFFD direction is to compare the two delivery methods (design-bid-build at Station #6 and design-build using DPW in-house forces at Station #17) to determine preferred method for the remaining stations. Upon completion, SFFD direction is to compare the two delivery methods (design-bid-build at Station #6 and design-build using DPW in-house forces at Station #17) to determine preferred method for the remaining stations. On FS 12 and 21, PM requested design fee proposals from both DPW/IDC Team and DPW's as-needed-consultant GHC for these remaining stations.

The existing emergency generator at Station #15 experienced mechanical malfunction and the SFFD directed the Station #6 team to replace this unit as soon as feasible. Design was submitted as scheduled on February 1. Due to the size of the generator (80KW) necessary to backup specialized equipment at this station such as the Bauer unit, this project will require a BAAQMD permit. On FS 15, BBR started preconstruction phase in late May and started construction in late June.

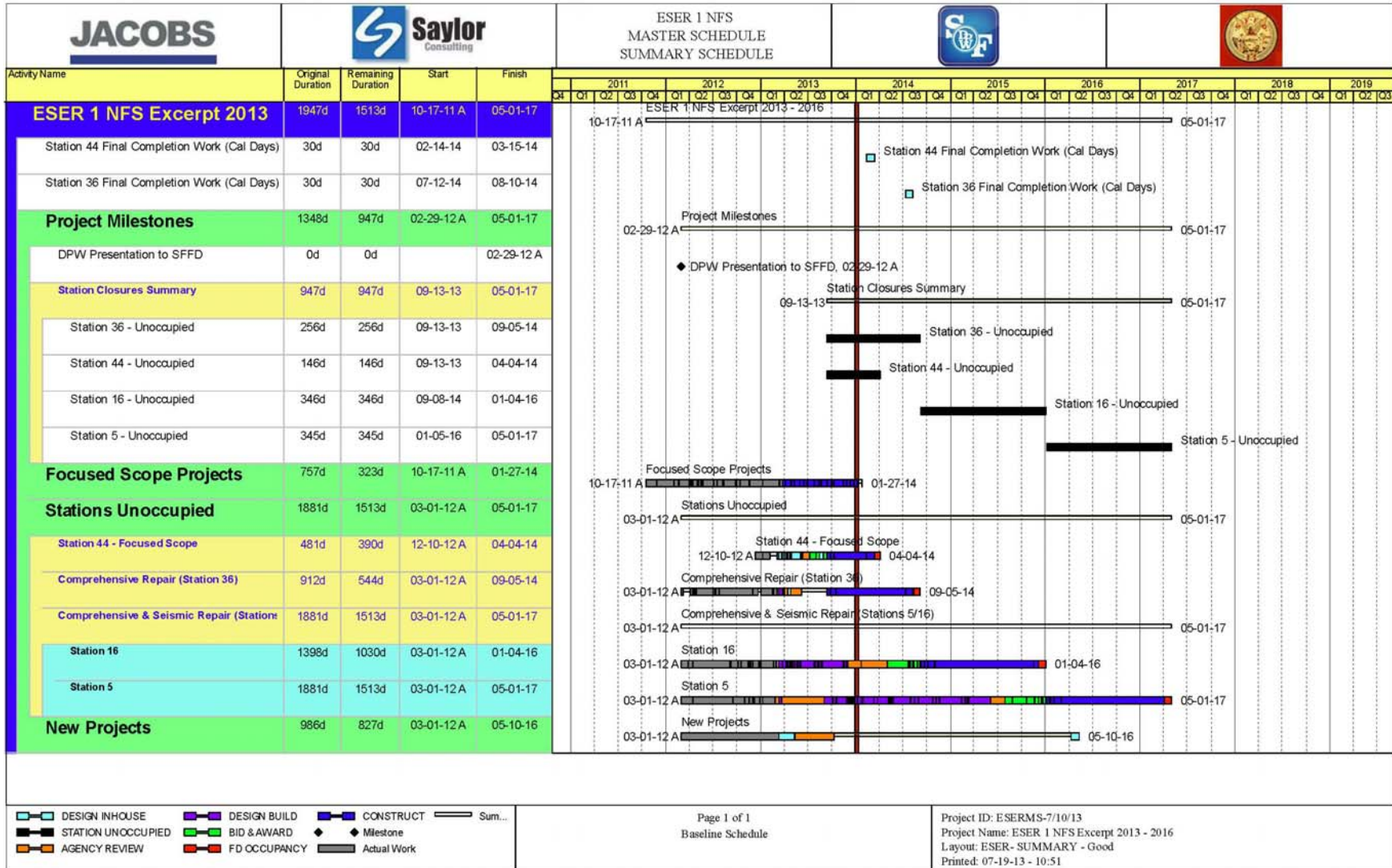
**Historic evaluation** site visits were completed at 21 stations (14 Focused Scope / Alternate stations; 6 Seismic / Comprehensive stations; and the Fire Boat station.) On August 31, 2011 City Planning issued a memorandum outlining requirements of a Historic Resource Evaluation (HRE) of the 5 stations identified as potential historic resources: Stations #5, #31, #32, #36, and #44. The HRE report will assess potential impacts to both historic resources listed above, as well as to five stations identified as contributors to a potential 1952 Fire Bond Act Thematic Historic District, Stations #10, #15, #17, #38, and



#41. The Historic evaluation of Station #16 was completed in February 2012. The Historic evaluation of Station #36 was completed in February 2013. DPW staff completed the Station 36 EE and General Plan Referral applications and submitted to City Planning on February 28, 2013. The General Plan Referral was received from City Planning in May 2013. Contracting for outside consulting services for Station 5 was awarded to Ward and Associates, DPW's on-call consultant. Their efforts began in May 2013 as scheduled. DPW staff completed the Station 44 EE and General Plan Referral applications and submitted to City Planning on May 7, 2013. City Planning response is anticipated in late July.

**Project Budget:**

Refer to the Budget, Funding and Expenditures on Page 22.



## Auxiliary Water Supply System (AWSS)

**Project Description:** The Earthquake Safety and Emergency Response Bond will improve and seismically upgrade the cisterns, pipelines, tunnels, and physical plant.

**Project Background:** The AWSS delivers high-pressure water and cistern water storage for fire suppression in several areas of the City. It is vital for protecting against the loss of life, homes, and businesses from fire following an earthquake. It is also used for the suppression of non-earthquake multiple-alarm fires.

### Project Status:

#### Planning - Cisterns, Pipelines, and Tunnels

Consultant AECOM/AGS JV continued work on the Planning Support Services project. Project deliverables will define a preferred repair, improvement, and expansion strategy and a capital improvement program for the cisterns, pipelines, tunnels, and physical plant facilities to increase fire-protection water delivery seismic reliability. It will also include examination of a proposed pipeline system combining potable water delivery with the capabilities of the AWSS, contributions of the potable system after an earthquake, alternatives to renovating existing Pumping Station 2, further examination of risk, and related topics.

The final project report is due by September 2013.

#### Physical Plant

Bids for the combined Ashbury Tank, Jones Street Tank, and Twin Peaks Reservoir construction contract (WD-2685) are due July 11, 2013. Alternate bid items have been identified to allow compliance with available bond funds.

Design work continued for Pumping Station 1, with design completion expected by August 2013. The design will include improvements needed to remotely control engine and pump operation. The bid and award phase will begin upon completion of the design phase.

The bond report did not anticipate or provide funding for replacement of the four existing diesel engines and electrical generator at Pumping Station 1, which is necessary to reasonably provide new engine controls and install new ventilation and exhaust piping. Construction will proceed with 2010 ESER-1 bond funds originally intended for Pumping Station 2. Replacement funding for Pumping Station 2 work can either be provided by the ESER-2 bond if approved by voters in June 2014 or by ESER-1 funds originally intended for cisterns, pipelines, or tunnels. This decision will occur following the June 2014 election.

Design work continued for improvements to Pumping Station 2, with design completion scheduled by July 2014. Funding for design services related to engine replacement and associated mechanical and electrical work is being provided by Water Enterprise revenues.

**Cisterns**

No cistern repair work will be undertaken with 2010 ESER bond funds.

Contract WD-2695 New Cisterns A (6 cisterns) was awarded to Trinet Construction for \$3,868,900, with notice-to-proceed issuance scheduled for July 2013. Bids for WD-2696 New Cisterns B (5 cisterns) are due July 18, 2013. Engineering Management Bureau continues design for Contract C (5 cisterns). Site surveying and design continue at 22 candidate locations for new cisterns to be constructed under Contracts D through G as available funding allows.

Contracts A, B, and C locations are shown in the following table.

<b>Contract</b>	<b>#</b>	<b>Location</b>
New Cisterns A		
	1.	35th Ave, Irving St
	2.	36th Ave, Wawona St
	3.	37th Ave, Lawton St
	4.	37th Ave, Ortega St
	5.	37th Ave, Rivera St
	6.	37th Ave, Ulloa St
New Cisterns B		
	1.	Cashmere St, Hudson Ave
	2.	Geneva Ave, Moscow St
	3.	Geneva Ave, Paris St
	4.	Holyoke St, Silliman St
	5.	Silver Ave, Colby St
New Cisterns C		
	1.	18th Ave, Ulloa St
	2.	21st Ave, Ocean Ave
	3.	Funston Ave, Geary Blvd
	4.	San Buenaventura Way, St. Francis Blvd
	5.	Yerba Buena Ave, Saint Elmo Way

Contracts D, E, F, and G candidate locations are shown in the following table. Not all candidate locations are expected to be constructed. The actual number of cisterns to be constructed is dependent on available funds, construction market conditions, site conditions, and related factors. Locations may change between contracts as design efforts progress. Some locations may be eliminated or changed due to site constraints or related reasons.

New Cisterns D		
	1.	Amber Dr, Duncan St
	2.	Diamond Heights Blvd, Duncan St
	3.	Dorchester Way, Ulloa St
	4.	Folsom St, Stoneman St
	5.	Geary Blvd, Collins St
	6.	Lansdale Ave, Casitas Ave
New Cisterns E		
	1.	Alviso St, Holloway Ave
	2.	Monterey Blvd, Edna St
	3.	Monterey Blvd, Genessee St
	4.	Monterey Blvd, Westgate Dr
	5.	Williams Ave, Venus St
New Cisterns F		
	1.	5th Ave, Cabrillo St
	2.	6th Ave, California St
	3.	16th Ave, Vicente St
	4.	17th Ave, Pacheco St
	5.	18th Ave, Irving St
New Cisterns G		
	1.	18th Ave, Lawton St
	2.	18th Ave, Santiago St
	3.	29th Ave, Cabrillo St
	4.	30th Ave, Lake St
	5.	Laguna Honda Hospital – Courtyard
	6.	Laguna Honda Hospital – Main Entrance

**Pipelines and Tunnels** – Planning and design work for nine projects identified in the planning study for implementation within 2010 ESER bond authorization is currently being organized as follows. The listed city groups will manage the planning and design work for the projects indicated.

City Distribution Division (SFPUC)	Fireboat manifolds repair/replacement
	Suction connections repair
Department of Public Works	4 <sup>th</sup> Street connection
	Infirm-area valve motorization
	Pipeline investigation and repair/replacement
	Pumping Station 1 tunnel repairs
Engineering Management Bureau (SFPUC)	Controls improvements (SCADA)
	Jones Street Tank valve motorization
	Sutro pumping station and piping

**Project Schedule:**

Refer to the Gantt Chart in Attachment 2.

**Project Budget:**

Refer to the Budget, Funding and Expenditures on Page 22.

## BUDGET, FUNDING AND EXPENDITURES

### Budget and Funding

The budget for the ESER1 Bond Program is \$412,300,000.

The proceeds of the fourth bond sale totaling \$31,020,000 were received in June. Together with the previous bond sales, the new appropriation authorization is \$332,135,000 and has been allocated as follows:

Component	Budget	FUNDING		APPROPRIATION AUTHORIZATION					Future Bond Sales Total
		General Obligation Bonds	Fire Facility Bond Funds FY 12/13 (AAO 164-12)	General Obligation Bonds				Total	
				First 10A	Second 10B	Third 10C	Fourth 10D		
Public Safety Building (PSB)	239,000,000	239,000,000		63,096,285	164,120,973	0		227,217,258	11,782,742
Neighborhood Fire Stations (NFS)	72,272,000	64,000,000	8,272,000	7,148,344	17,616,196	0	5,765,572	30,530,112	33,469,888
Auxiliary Water Supply System (AWSS)	102,400,000	102,400,000		8,396,928	0	37,999,848	25,000,000	71,396,776	31,003,224
<b>Project Fund Subtotal</b>	<b>413,672,000</b>	<b>405,400,000</b>	<b>8,272,000</b>	<b>78,641,557</b>	<b>181,737,169</b>	<b>37,999,848</b>	<b>30,765,572</b>	<b>329,144,146</b>	<b>76,255,854</b>
Controller's Audit Fund (two tenths of 1%)	827,058	827,058		157,556	364,117	76,152	61,531	659,356	167,702
General Obligation Bond Oversight Committee (one tenth of 1%)	413,529	413,529		79,520	183,330	38,265	31,020	332,135	81,394
Cost of Issuance (COI), Underwriters Discount	5,659,413	5,659,413		641,367	1,045,384	150,735	161,877	1,999,362	3,660,051
<b>Accountability and COI Subtotal</b>	<b>6,900,000</b>	<b>6,900,000</b>	<b>0</b>	<b>878,443</b>	<b>1,592,831</b>	<b>265,152</b>	<b>254,428</b>	<b>2,990,854</b>	<b>3,909,146</b>
<b>Total ESER1</b>	<b>420,572,000</b>	<b>412,300,000</b>	<b>8,272,000</b>	<b>79,520,000</b>	<b>183,330,000</b>	<b>38,265,000</b>	<b>31,020,000</b>	<b>332,135,000</b>	<b>80,165,001</b>

The budget for PSB is \$239,000,000. The appropriation of \$227,217,258 reflects the proceeds of the first and second bond sales and is shown in detail under Attachment 1 – Program Budget Report. A future sale totaling \$11,782,742 would be necessary to supplement the remainder of the component.

The budget for NFS is \$64,000,000. The appropriation of \$30,530,112 reflects the proceeds of the first, second and fourth bond sales. As mentioned earlier, an additional \$8,272,000 was appropriated through the Annual Appropriation Ordinance (AAO 164-12) FY 12/13 to supplement the ESER1 NFS increasing the budget from \$64,000,000 to \$72,272,000 and will augment the budget for New Pier Fire Boat Headquarters and fund other scope of work not included in ESER1 such as the Fire Boat slab repair and the Fire Station No. 1 FF&E. The proceeds of the fourth bond sale will fund the construction of Fire Station 36 and will fund the design of Fire Stations 5 and 16.

The budget AWSS is \$102,400,000. The appropriation of \$71,396,776 reflects the proceeds of the first, third and fourth bond sales and is shown in detail under Attachment 1 – Program Budget Report. The proceeds of the fourth bond sale will fund the planning, design and construction of the physical plant, cisterns, pipeline and tunnels.

The budget for other costs such as the Controller's Audit Fund, Citizens General Obligation Bond Oversight Committee, Cost of Issuance and Underwriters' Discount is \$6,900,000. The appropriation of \$2,990,854 reflects the proceeds of the four bond sales and is shown in detail under Attachment 1 – Program Budget Report.

An Accountability Report was prepared for the fourth bond sale and it is available on the website.

**Expenditures**

Total expenditures through June 2013 are \$110,658,294 which represents 26% of the budget and 33% of the appropriated amount. The following is a summary of the budget and expenditures:

<b>Component</b>	<b>Budget</b>	<b>Appropriated (1st, 2nd, 3rd &amp; 4th Bond Sales)</b>	<b>Expenditures</b>	<b>Expenditures/ Budget</b>	<b>Expenditures/ Appropriated</b>
Public Safety Bl	239,000,000	227,217,258	86,142,548	36%	38%
Neighborhood Fi	72,272,000	30,530,112	12,186,708	17%	40%
Auxiliary Water :	102,400,000	71,396,776	11,162,306	11%	16%
Oversight, Accoi	6,900,000	2,990,854	1,166,732	17%	39%
<b>Total</b>	<b>420,572,000</b>	<b>332,135,000</b>	<b>110,658,294</b>	<b>26%</b>	<b>33%</b>

Included in the \$110,658,294 is \$894,125 from the Fire Facilities Bond Funds. The expenditures are consistent with our spend-down forecast and are within budget.

Refer to Attachment 1 – Program Budget Report for a detailed breakdown of the expenditures.



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## **ATTACHMENT 1 – PROGRAM BUDGET REPORT**

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**Earthquake Safety and  
Emergency Response Bond Program**

**Citizens General Obligation  
Bond Oversight Committee**

Program Budget Report								
Expenditures as of 06/30/13								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>PUBLIC SAFETY BUILDING</b>								
DESIGN	<b>PUBLIC SAFETY BUILDING</b>							
DEVELOPMENT	(CESER1 PS; 7400A & 7410A )	Soft Costs	48,201,886	38,127,535		30,304,170	4,551,688	3,271,677
		Construction	174,853,747	173,145,355		55,838,378	116,915,142	391,835
		Project Contingency	15,944,367	15,944,367			2,339,434	13,604,933
		<b>Subtotal</b>	<b>239,000,000</b>	<b>227,217,257</b>	<b>0</b>	<b>86,142,548</b>	<b>123,806,264</b>	<b>17,268,445</b>
<b>NEIGHBORHOOD FIRE STATIONS</b>								
VARIOUS	<b>FOCUSED SCOPE</b>							
	(CESER1 FS 31, 32, 34, 35, 36, 37, 38, 39)	Soft Costs	3,370,450	1,831,386		1,471,287	11,516	348,583
	(Job Orders 7431A, 7432A, 7434A, 7435A, 7436A, 7437A, 7438A, 7439A)	Construction	9,715,369	8,385,831		3,739,732	1,051,693	3,594,406
		Construction Contingency	700,023	336,991				336,991
		<b>Subtotal</b>	<b>13,785,841</b>	<b>10,554,208</b>	<b>0</b>	<b>5,211,019</b>	<b>1,063,209</b>	<b>4,279,980</b>
PLANNING	<b>COMPREHENSIVE: STATION 36</b>							
	(CESER1 FS27; Job Order 7427A)	Soft Costs	1,336,140	789,269		562,858	204,368	22,043
		Construction	3,161,312	3,030,070		0	0	3,030,070
		Construction Contingency	300,766					0
		<b>Subtotal</b>	<b>4,798,218</b>	<b>3,819,339</b>	<b>0</b>	<b>562,858</b>	<b>204,368</b>	<b>3,052,113</b>
PLANNING	<b>SEISMIC: STATION 5 (New 2-story)</b>							
	(CESER1 FS40; Job Order 7440A)	Soft Costs	2,641,799	1,217,779		247,681	110,226	859,872
		Construction	10,313,908			0	0	0
		Construction Contingency	883,050					0
		<b>Subtotal</b>	<b>13,838,757</b>	<b>1,217,779</b>	<b>0</b>	<b>247,681</b>	<b>110,226</b>	<b>859,872</b>
PLANNING	<b>SEISMIC: STATION 9 UTILITY ISOLATION</b>							
	(CESER1 FS41; Job Order 7441A)	Soft Costs	80,000	80,000		0	0	80,000
		Construction	96,000	96,000				96,000
		Construction Contingency	24,000	24,000				24,000
		<b>Subtotal</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
PLANNING	<b>SEISMIC: STATION 16 (New 2-story)</b>							
	(CESER1 FS42; Job Order 7442A)	Soft Costs	1,802,919	1,500,000		626,155	9,154	864,691
		Construction	6,421,770			0	0	0
		Construction Contingency	616,968					0
		<b>Subtotal</b>	<b>8,841,656</b>	<b>1,500,000</b>	<b>0</b>	<b>626,155</b>	<b>9,154</b>	<b>864,691</b>
PLANNING	<b>NEW PIER FIRE BOAT HEADQUARTERS</b>							
	(CESER1 FS24; Job Order 7424A)	Soft Costs	4,133,301	590,288		82,051	455,831	52,406
		Construction	4,903,309	0				0
		Project Contingency	956,525					0
		<b>Subtotal</b>	<b>9,993,136</b>	<b>590,288</b>	<b>0</b>	<b>82,051</b>	<b>455,831</b>	<b>52,406</b>

**Earthquake Safety and  
Emergency Response Bond Program**

**Citizens General Obligation  
Bond Oversight Committee**

Program Budget Report Expenditures as of 06/30/13								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	FAMIS		
						Expended	Encumbrance	Balance
PLANNING	<b>NEW PIER FIRE BOAT HEADQUARTERS</b> (CFCBLDFD24; Job Order 7424A) Fire Facility Bond Funds	Soft Costs	0	0		0	0	0
		Construction	7,151,723	7,151,723				7,151,723
		Project Contingency	0					0
		<b>Subtotal</b>	<b>7,151,723</b>	<b>7,151,723</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,151,723</b>
PLANNING	<b>EQUIPMENT LOGISTICS CENTER</b> (CESER1 FS26; Job Order 7426A)	Soft Costs	589,000	100,000		0	0	100,000
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>	<b>589,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>
PLANNING	<b>PROGRAM-WIDE SOFT COSTS &amp; PROGRAM RESERVE</b> (CESER1 FS20; CESER1 FS30 Job Orders 7420A; 7429A, 7430A)	Soft Costs	11,217,709	6,076,326		4,559,795	568,162	948,369
		Construction						0
		Program Reserve	775,960					0
		<b>Subtotal</b>	<b>11,993,669</b>	<b>6,076,326</b>	<b>0</b>	<b>4,559,795</b>	<b>568,162</b>	<b>948,369</b>
PLANNING	<b>FIRE BOAT SLAB REPAIR (Non-ESER1 related)</b> (CFCBLDFD33; Job Order 7433A) Fire Facility Bond Funds	Soft Costs	165,446	174,449		161,758	1,644	11,047
		Construction	192,554	223,851		116,047	107,605	199
		Project Contingency						0
		<b>Subtotal</b>	<b>358,000</b>	<b>398,300</b>	<b>0</b>	<b>277,805</b>	<b>109,249</b>	<b>11,246</b>
PLANNING	<b>FIRE STATION NO. 1 FF&amp;E (Non-ESER1 related)</b> (CFCBLDFD44; Job Order 7444A) Fire Facility Bond Funds	Soft Costs	207,600	208,000		125,782	0	82,218
		Construction	514,400	513,977		493,563	0	20,414
		Project Contingency						0
		<b>Subtotal</b>	<b>722,000</b>	<b>721,977</b>	<b>0</b>	<b>619,345</b>	<b>0</b>	<b>102,632</b>
PLANNING	<b>NEIGHBORHOOD FIRE STATIONS SUMMARY</b> (CESER1 FS)	Soft Costs	25,544,364	12,567,497		7,837,367	1,360,901	3,369,229
		Construction	42,470,344	19,401,452		4,349,342	1,159,298	13,892,812
		Project Contingency	4,257,291	360,991		0	0	360,991
		<b>Subtotal</b>	<b>72,272,000<sup>(4)</sup></b>	<b>32,329,940</b>	<b>0</b>	<b>12,186,708</b>	<b>2,520,199</b>	<b>17,623,032</b>

**Earthquake Safety and  
Emergency Response Bond Program**

**Citizens General Obligation  
Bond Oversight Committee**

Program Budget Report Expenditures as of 06/30/13								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	FAMIS		
						Expended	Encumbrance	Balance
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
<b>PRE-BOND PLANNING AND DEVELOPMENT</b>								
PLANNING	<b>Pre-Bond Planning and Development</b>							
		Soft Costs	1,316,963	1,316,963		1,316,963 <sup>(1a)</sup>		0
		Construction	0					0
		Project Contingency						0
		Subtotal	1,316,963	1,316,963	0	1,316,963	0	0
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
Design	<b>Jones Street Tank</b>							
		Soft Costs	1,939,425	4,250,906		1,108,576	28,621	3,113,709
		Construction	2,801,853					0
		Project Contingency						0
		Subtotal	4,741,278	4,250,906	0	1,108,576	28,621	3,113,709
Design	<b>Ashbury Heights Tank</b>							
		Soft Costs	2,171,640	6,487,138		933,416	33,099	5,520,623
		Construction	4,965,251					0
		Project Contingency						0
		Subtotal	7,136,891	6,487,138	0	933,416	33,099	5,520,623
Design	<b>Twin Peaks Reservoir</b>							
		Soft Costs	1,706,677	3,784,909		1,018,870	24,854	2,741,185
		Construction	1,962,219					0
		Project Contingency						0
		Subtotal	3,668,896	3,784,909	0	1,018,870	24,854	2,741,185
PLANNING	<b>Pump Station No. 2</b>							
		Soft Costs	4,510,082	1,816,301		1,164,888	254,859	396,554
		Construction	9,501,780					0
		Project Contingency						0
		Subtotal	14,011,862	1,816,301	0	1,164,888	254,859	396,554
Design	<b>Pump Station No. 1</b>							
		Soft Costs	1,666,919	1,297,991		1,108,741	93,406	95,844
		Construction	3,854,133					0
		Project Contingency						0
		Subtotal	5,521,052	1,297,991	0	1,108,741	93,406	95,844

Program Budget Report Expenditures as of 06/30/13								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
	<b>FIREFIGHTING CISTERNS</b>							
Design	<b>Contract No. 1</b>	Soft Costs	1,120,643	510,343		504,419	2,881	3,043
		Construction	2,431,661					0
		Project Contingency						0
		Subtotal	3,552,304	510,343	0	504,419	2,881	3,043
Design	<b>Contract No. 2</b>	Soft Costs	3,728,249	13,792,800		1,316,100	4,334,283	8,142,417
		Construction	6,928,660					0
		Project Contingency						0
		Subtotal	10,656,909	13,792,800	0	1,316,100	4,334,283	8,142,417
Design	<b>Contract No. 3</b>	Soft Costs	3,433,935	141,000		45,770	3,241	91,989
		Construction	7,222,974					0
		Project Contingency						0
		Subtotal	10,656,909	141,000	0	45,770	3,241	91,989
Design	<b>Contract No. 4</b>	Soft Costs	3,375,377	1,068,700		67,651	3,444	997,605
		Construction	7,281,532					0
		Project Contingency						0
		Subtotal	10,656,909	1,068,700	0	67,651	3,444	997,605

**Earthquake Safety and  
Emergency Response Bond Program**

**Citizens General Obligation  
Bond Oversight Committee**

Program Budget Report Expenditures as of 06/30/13								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PRE-DESIGN	<b>FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study</b>	Soft Costs	3,000,000	2,996,833		2,196,854	509,554	290,425
		Construction						0
		Project Contingency						0
		Subtotal	3,000,000	2,996,833	0	2,196,854	509,554	290,425
PLANNING	<b>Contract No. 1</b>	Soft Costs	2,551,248	428,558		321,775	14,957	91,826
		Construction	6,892,027					0
		Project Contingency						0
		Subtotal	9,443,275	428,558	0	321,775	14,957	91,826
PLANNING	<b>Contract No. 2</b>	Soft Costs	2,637,146	0		0	0	0
		Construction	6,806,129					0
		Project Contingency						0
		Subtotal	9,443,275	0	0	0	0	0
PLANNING	<b>Contract No. 3</b>	Soft Costs	2,614,750	0		0	0	0
		Construction	5,978,727					0
		Project Contingency						0
		Subtotal	8,593,477	0	0	0	0	0
PLANNING	<b>CUW AWS 01</b>	Soft Costs	0	33,504,334	0	58,283	33,446,051	0
		Construction	0					0
		Project Contingency						0
		Subtotal	0	33,504,334	0	58,283	33,446,051	0
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>		Soft Costs	35,773,054	71,396,776	0	11,162,306	38,749,250	21,485,220
		Construction	66,626,946	0	0	0	0	0
		Project Contingency	0	0	0	0	0	0
		Subtotal	102,400,000	71,396,776	0	11,162,306 <sup>(1)</sup>	38,749,250	21,485,220

**Earthquake Safety and  
Emergency Response Bond Program**

**Citizens General Obligation  
Bond Oversight Committee**

Program Budget Report Expenditures as of 06/30/13								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<b>ESER</b>		Soft Costs	109,519,304	122,091,808	0	49,303,842	44,661,839	28,126,127
		Construction	283,951,037	192,546,807	0	60,187,720	118,074,440	14,284,647
		Project Contingency	20,201,658	16,305,358	0	0	2,339,434	13,965,924
		<b>Subtotal</b>	<b>413,671,999</b>	<b>330,943,973</b>	<b>0</b>	<b>109,491,562</b>	<b>165,075,713</b>	<b>56,376,698</b>
<b>MASTER PROJECT (ESER1MP)</b>				6,471,241		0	0	6,471,241
<b>BOND OVERSIGHT/ACCOUNTABILITY</b>			6,900,000	991,491		51,269	847,671	92,551
<b>BOND COST OF ISSUANCE</b>				2,000,295		1,115,463 <sup>(2)</sup>	0	884,832
<b>TOTAL BOND PROGRAM</b>			<b>420,571,999 <sup>(3)</sup></b>	<b>340,407,000</b>	<b>0</b>	<b>110,658,293</b>	<b>165,923,384</b>	<b>63,825,322</b>

As of 07/09/13, the FAMIS fiscal month 12 2013 (June 2013), actual expenditures are \$200,623,474. The variances from the report are as follows:

(1) The transfer out to PUC AWSS is shown as actual (0935W OTO TO SW-WATER DE )

(a) less \$1,316,936 for forecasted pre-bond expenditures not yet posted in FAMIS. Expenditures currently reside under DPW.

(b) less \$9,845,343 for actuals per FAMIS Project structure CUW AWS AW posted as of 07/09/13.

(2) Bond Sale Premiums:

(a) The underwriters discount of \$211,953 was separated from the premium \$5,118,923

(b) deducted underwriters discount \$211,953 from 0934G OTO TO 4D/GOB-GEN and added it to 07311 BOND ISSUANCE COST

(c) The Second Bond Sale premium of \$16,898,267 (0934G)

(d) The Third Bond Sale premium of \$6,213,547 (0934G)

(e) The Fourth Bond Sale premium of \$2,606,055.70 (0934G)

(3) The budget increased by \$8,129M from \$412.3M to \$420,429M to include previous Fire Facility Bond Funds to supplement ESER1 NFS funds

Total (CESER1)

	\$71,396,776
	(\$1,316,963)
	(\$9,845,343)
	\$5,118,923
	(\$211,953)
	\$16,898,268
	\$6,213,547
	\$2,606,056
	(\$894,125)
	\$332,135,000
	\$200,623,474

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## **ATTACHMENT 2 – TIMELINE AND SCHEDULE**

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EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM  
Timeline and Schedule

6/30/2013

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19					
		Start	Completion	2010		2011		2011		2012		2012		2013		2013		2014		2014		2015		2015		2016		2016		2017		2017		2018		2018		2019		2019	
				1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr		
FIRE BOAT SLAB REPAIR (Non-ESER1 related)																																									
Pre-Baseline Budget	358,000																																								
Current/Approved	358,000																																								
Current/Projected	358,000																																								
Actual																																									
FIRE STATION NO. 1 FF&E (Non-ESER1 related)																																									
Pre-Baseline Budget	722,000	10/01/12	03/31/13																																						
Current/Approved	722,000	10/01/12	03/31/13																																						
Current/Projected	722,000	10/01/12	03/31/13																																						
Actual																																									
NEIGHBORHOOD FIRE STATIONS																																									
Original/Baseline Budget	72,272,000	10/17/11	02/09/17																																						
Current/Approved	72,272,000	10/17/11	02/09/17																																						
Current/Projected	72,272,000	10/17/11	02/09/17																																						
Actual																																									
PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)																																									
PRE-BOND PLANNING AND DEVELOPMENT																																									
Original/Baseline Budget	1,316,963	07/01/09	12/31/10																																						
Current/Approved	1,316,963	07/01/09	12/31/10																																						
Current/Projected	1,316,963	07/01/09	12/31/10																																						
Actual	1,316,963	07/01/09	12/31/10																																						
AWSS JONES STREET TANK																																									
Original/Baseline Budget	4,741,278	08/01/11	06/30/15																																						
Current/Approved	4,741,278	08/01/11	06/30/15																																						
Current/Projected	4,741,278	08/01/11	06/30/15																																						
Actual																																									
AWSS ASHBURY HEIGHTS TANK																																									
Original/Baseline Budget	7,136,891	07/25/11	10/28/15																																						
Current/Approved	7,136,891	07/25/11	10/28/15																																						
Current/Projected	7,136,891	07/25/11	10/28/15																																						
Actual																																									
AWSS TWIN PEAKS RESERVOIR																																									
Original/Baseline Budget	3,668,896	06/01/11	06/30/15																																						
Current/Approved	3,668,896	06/01/11	06/30/15																																						
Current/Projected	3,668,896	06/01/11	06/30/15																																						
Actual																																									
AWSS PUMP STATION NO. 2																																									
Original/Baseline Budget	14,011,862	7/25/2011	9/26/2016																																						
Current/Approved	14,011,862	7/25/2011	9/26/2016																																						
Current/Projected	14,011,862	7/25/2011	9/26/2016																																						
Actual																																									

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM  
Timeline and Schedule

6/30/2013

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19				
		Start	Completion	2010		2011		2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		
				1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr					
AWSS PUMP STATION NO. 1																																								
Original/Baseline Budget	5,521,052	7/25/2011	4/20/2015																																					
Current/Approved	5,521,052	7/25/2011	4/20/2015																																					
Current/Projected	5,521,052	7/25/2011	4/20/2015																																					
Actual																																								
FIREFIGHTING CISTERNS - CONTRACT NO. 1																																								
Original/Baseline Budget	3,552,304	7/8/2011	6/26/2014																																					
Current/Approved	3,552,303	7/8/2011	6/26/2014																																					
Current/Projected	3,552,303	7/8/2011	6/26/2014																																					
Actual																																								
FIREFIGHTING CISTERNS - CONTRACT NO. 2																																								
Original/Baseline Budget	10,656,909	10/3/2011	2/23/2015																																					
Current/Approved	10,656,909	10/3/2011	2/23/2015																																					
Current/Projected	10,656,909	10/3/2011	2/23/2015																																					
Actual																																								
FIREFIGHTING CISTERNS - CONTRACT NO. 3																																								
Original/Baseline Budget	10,656,909	10/3/2011	8/12/2016																																					
Current/Approved	10,656,909	10/3/2011	8/12/2016																																					
Current/Projected	10,656,909	10/3/2011	8/12/2016																																					
Actual																																								
FIREFIGHTING CISTERNS - CONTRACT NO. 4																																								
Original/Baseline Budget	10,656,909	10/3/2011	4/19/2017																																					
Current/Approved	10,656,909	10/3/2011	4/19/2017																																					
Current/Projected	10,656,909	10/3/2011	4/19/2017																																					
Actual																																								
FIREFIGHTING PIPES AND TUNNELS - AWSS MODERNIZATION CIP STUDY																																								
Original/Baseline Budget	3,000,000	5/2/2011	9/30/2013																																					
Current/Approved	3,000,000	5/2/2011	9/30/2013																																					
Current/Projected	3,000,000	5/2/2011	9/30/2013																																					
Actual																																								
FIREFIGHTING PIPES AND TUNNELS - CONTRACT NO. 1																																								
Original/Baseline Budget	9,443,275	10/3/2011	9/25/2017																																					
Current/Approved	9,443,275	10/3/2011	9/25/2017																																					
Current/Projected	9,443,275	10/3/2011	9/25/2017																																					
Actual																																								
FIREFIGHTING PIPES AND TUNNELS - CONTRACT NO. 2																																								
Original/Baseline Budget	9,443,275	10/3/2011	4/6/2018																																					
Current/Approved	9,443,275	10/3/2011	4/6/2018																																					
Current/Projected	9,443,275	10/3/2011	4/6/2018																																					
Actual																																								
FIREFIGHTING PIPES AND TUNNELS - CONTRACT NO. 3																																								
Original/Baseline Budget	8,593,477	10/3/2011	9/26/2018																																					
Current/Approved	8,593,477	10/3/2011	9/26/2018																																					
Current/Projected	8,593,477	10/3/2011	9/26/2018																																					
Actual																																								

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM  
Timeline and Schedule

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19			
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015		2015		2016		2016		2017		2017		2018		2018		2019	
				1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr				
6/30/2013																																							
AUXILIARY WATER SUPPLY SYSTEM (AWSS) SUB-TOTAL																																							
Original/Baseline Budget	102,400,000	10/3/2011	9/26/2018																																				
Current/Approved	102,400,000	10/3/2011	9/26/2018																																				
Current/Projected	102,400,000	10/3/2011	9/26/2018																																				
Actual																																							
BOND OVERSIGHT/ACCOUNTABILITY																																							
Original/Baseline Budget	6,900,000																																						
Current/Approved	6,900,000																																						
Current/Projected	6,900,000																																						
Actual																																							
Cost of Issuance																																							
Original/Baseline Budget	6,900,000																																						
Current/Approved	6,900,000																																						
Current/Projected	6,900,000																																						
Actual																																							
ESER TOTAL																																							
Original/Baseline Budget	420,572,000	10/01/10	09/26/18																																				
Current/Approved	420,572,000	10/01/10	09/26/18																																				
Current/Projected	420,572,000	10/01/10	09/26/18																																				
Actual																																							

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## ATTACHMENT 3 – CONTACT INFORMATION

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